

# RESEARCH FOR RESULTS



## Irrigation Research Foundation (IRF) Trials – Individual Corn Trial #1

**OVERVIEW:** This is year 4 of an ongoing study utilizing the same 10-acre plot, multi-block randomized test. The test plot was once again done on the same challenging area of the Research Farm as 2013, 2014 and 2015.

**LOCATION:** Yuma, CO

**PLOT:** 10 acre; Circle A – NW ¼ - Low Water

**HYBRID:** Go3A50-5122

**PLANTING DATE:** 4/25/2016

**HARVEST DATE:** 10/13/2016

**POPULATION:** 34K

**PRE-PLANT (per acre):** Strip-till: 16.4-8.2-1.3-4.7s applied (10) gallons @ 4 inches, (13) gallons @ 10 inches 3/22/2016

**WEED TREATMENT:** ACURON @ (2.5) quarts; ROUNDUP WEATHER MAX @ (32) ounces; AMS @ (1) quart; NIS @ (1) quart per 100 gallons water. 4/28/2016

**TREATMENTS:** Starter 2x2: 15.7-8.9-2.6-2.6s-.047 Zn @ (18) gallons per acre 4/25/2016  
 Through Sprinkler: 28-0-0-5 @ (10) gallons per acre 6/10/2016  
 28-0-0-5 @ (10) gallons 7/5/2016  
 28-0-0-5 @ (10) gallons 7/9/2016  
 28-0-0-5 @ (6) gallons 7/22/2016

**RAINFALL CONDITIONS:** 11.95 inches rainfall; 5.75 inches applied

App Dates	Protocols	Moisture	YIELD (bu./acre)
3/22/2016	Dryspread application of <b>2 - Soil Boost*</b> @ (100) pounds per acre	12.9	196.9
4/25/2016	2x2 application of <b>3 - Growth Boost</b> @ (2) quarts, <b>SB4400</b> @ (1) pint per acre	12.9	189.8
3/22/2016 4/25/2016	Dryspread application of <b>2 - Soil Boost*</b> @ (100) pounds followed with 2x2 application of <b>3 - Growth Boost</b> @ (2) quarts, <b>SB4400</b> @ (1) pint per acre	12.8	187.3
3/22/2016 4/25/2016 7/12/2016	Dryspread application of <b>2 - Soil Boost*</b> @ (100) pounds followed with 2x2 application of <b>3 - Growth Boost</b> @ (2) quarts, <b>SB4400</b> @ (1) pint per acre. Foliar - Aerial application of 3-18-18 @ (3) gallons with <b>6 - Growth Supplement</b> @ (40) ounces, <b>5 - MicroNutrient Boost</b> @ (1) pint per acre	13.2	202.4
	<b>CONTROL - Standard IRF 2x2</b>	12.7	180.0

Irrigation Research Foundation (IRF) upholds the mission to conserve the quality and quantity of water, Ogallala Aquifer, food production, and enhancement of the socio-economic welfare of the region. You may obtain more information about the Irrigation Research Foundation at [www.irf-info.com](http://www.irf-info.com).

\*As of December 2016, **2 – Soil Boost** has been renamed to **Organic 2r – Soil Boost**.